

Applicant: Girton
Application No: 09/704,494
Docket No: 760-35
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ABSTRACT:

A porous polytetrafluoroethylene substrate is used in an endoprosthesis device. An elongate radially expandable tubular stent is also included with the porous PTFE substrate, and form the endoprosthetic device. A method of making the porous polytetrafluoroethylene entails a novel method including siloxane in PTFE and thereafter removing the siloxane to form the porous structure. The PTFE structure does not have nodes and fibrils.

IN THE SPECIFICATION:

Please replace the paragraph on page 5 from line 25 to page 6, line 2 with the following paragraph:

Fig. 3 illustrates generally at 10 an intraluminal device in the form of a stent 12 as shown in fig. 1 having a cover 14 on the outer surface of the stent 12 and liner 16 on the inner surface, both of which may be of the porous structure shown below in fig. 7. The stent may optionally have only a cover 14 as shown in fig. 5, or only a liner 16 as shown in fig. 6, or both as shown in fig. 3. In a preferred embodiment, the stent has both a cover 14 and a liner 16. The liner, cover, or both, will be referred to hereinafter collectively as a cover or covering. The cover provides an effective barrier about the stent 12 preventing excessive cell or tissue ingrowth or thrombus formation through the expanded wall of the stent 12.

Please replace the paragraph on page 6, lines 7-14 with the following paragraph:

Fig. 1 is a more detailed illustration of stent 12 and shows generally an elongate tube. The body of stent 12 defines an opposed interior surface 11 and an exterior surface 13 and is formed of a generally open configuration having a plurality of openings or passages provided for longitudinal flexibility of the stent as well as permitting the stent to be radially expanded once deployed in the body lumen. Both the interior surface 11 and the exterior surface 13 may have the porous PTFE covering of the present invention. On the interior surface the covering is referred to as the liner 12 as shown in Fig. 1 and on the exterior surface it is referred to as a cover 14 as shown in Fig. 1.